

Campus Names

Hand-held calculator expert joins Texas A&M

The inventor of the monolithic integrated circuit and hand-held calculator, Jack S. Kilby of Dallas, will join the electrical engineering faculty at Texas A&M University.

Kilby's part-time appointment at Texas A&M as Distinguished Professor of Electrical Engineering becomes effective Feb. 1, announced Dr. W. B. Jones, department head.

Because of other commitments, Jones said Kilby will not have full-time classes. He will, however, work with undergraduate and graduate students and faculty in teaching and research. He has participated in contracted research with the department's Institute for Solid State Electronics for the past three years.

Since 1970, Kilby, a former Texas Instruments official, has been self-employed as an inventor and consultant.

The new Texas A&M faculty member has patents for the fine-expanded integrated circuit, basis for highly-complex electronics components and the calculator, and the hand-held device that has revolutionized mathematical computation. He holds some 50 patents.

He is internationally known for work in reduced titanate capacitors, semiconductor thermal printers and other electronics. Kilby also has research interest in solar energy conversion.

The inventor's development of the integrated circuit is described in a 1976 special edition of Transactions of the Institute of Electrical and Electronics Engineers (IEEE), of which he is a fellow. His article is one of about 20 on recent key inventions in electronics.

Kilby, 54, received degrees at the Universities of Illinois and Wisconsin in 1947 and 1950.



Jack S. Kilby
Poet/author featured at literature seminar

Norma Faber, award-winning poet and author, will be featured Feb. 20-21 at the Texas A&M University Children's Literature of the Sea seminar.

Co-sponsored by the Sea Grant Program and the English Department, the program begins at 10 a.m. Feb. 20 with a presentation by Faber in the Memorial Student Center ballroom. Following a luncheon, she will present a 2 p.m. poetry reading.

Feb. 21's schedule includes a 10 a.m. address on the creative process. That also is in the ballroom.

Preregistration for the seminar ends Feb. 13 and is necessary for those planning to attend the luncheon, said director Norma Bagnall of the English faculty.

"Children's literature of the sea is a serious study at Texas A&M, as scientific study is coupled with the humanistic approach," Bagnall said.

"The intent is to enable children to perceive the sea not only as a fascinating physical reality, but to consider the sea through literature as it has been created since the time of Homer."

Faber has written more than a dozen picture books, including "As I was Crossing Boston Common," nominated for the National Book Award.

A&M ocean engineers solve problem of eroding shorelines

More than 100 of Texas' 373 miles of shoreline are eroding, claim Texas A&M University ocean engineers, but methods such as offshore breakwaters, groins, bypass pumping, seawalls and planting of vegetation can stop the encroachment.

Erosion, which can move the shoreline inland as much as 30 feet a year, is also affecting about 250 of the state's 2,125 miles of estuaries, says Dr. John Herbich and Robert Schiller Jr.

They call for a "concerted effort by an aware public working with existing agencies to protect our shores."

The two caution, however, that poorly placed or designed structures can do as much harm as good, aiding erosion of adjacent areas.

The engineers, whose work is partially supported by Texas A&M's Sea Grant Program, also predict that offshore sand will probably

have to be used for artificial replenishment of the coastline beaches, since most inland sources of sand are exhausted or cannot be used because of environmental considerations.

A summary of the two professors' findings is included in a Sea Grant Marine Advisory Bulletin entitled "Shore Protection" available through Texas A&M's Center for Marine Resources.

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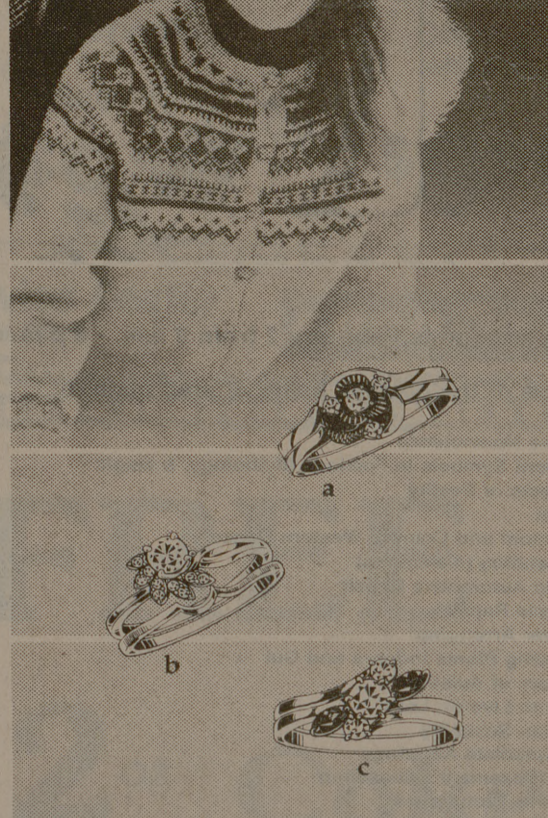
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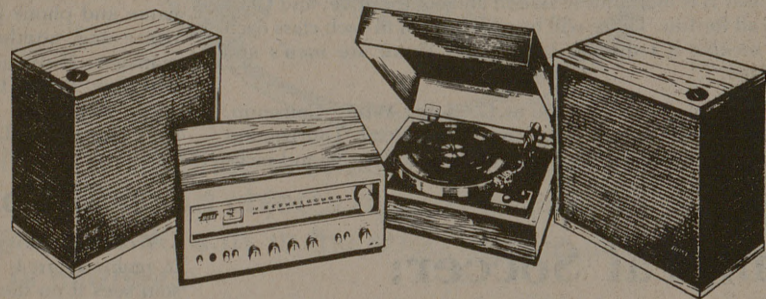
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